

# Installation Instructions

## Drying Chamber Replacement Kit

**Part #85309 (Models SL11D & SL12D)**  
**Part #85308 (All Other Models)**

### Description and Operation:

Upon exiting the Ultraair Coalescing Filter, discharge air is free of oil and large water droplets. The actual fine mist or moisture vapor drying then takes place as the air is directed through the silica gel (desiccant material) from bottom to top in the drying chamber.

In the event that the existing desiccant becomes so saturated with water and oil that the manual purge cycle fails to regenerate it, a replacement drying chamber kit may be required.

The drying chamber is internally coated with an anti-corrosive material. A stainless steel wire mesh screen supports the air drying media, consisting of an activated alumina buffer bed and approximately 4 pounds of silica gel (desiccant material). The Drying Chamber Replacement Kit consists of a drying chamber complete with stainless steel screen, sintered bronze air filter, 1 pound of activated alumina, 4 pounds of silica gel (desiccant material), and a 1/2" x 3/8" bushing.

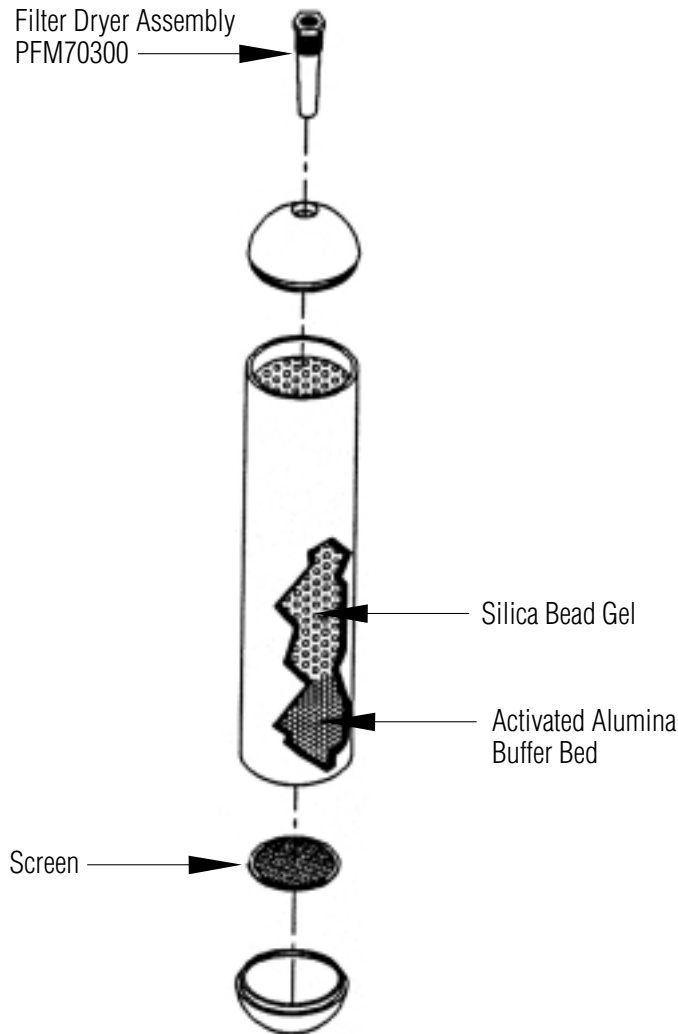
### Installation:

**NOTE: The replacement drying chamber comes completely assembled and filled with desiccant and is ready to be bolted into place. The old drying chamber can simply be discarded. (Refer to the Drying Chamber Assembly drawing on Page 2.)**

1. Turn "OFF" power switch at air compressor.
2. Open the storage tank drain valve to release all air pressure, and then close the valve.
3. Loosen the compression nuts and separate the copper tubing from both the flow control valve at the top of the drying chamber and the Quick Exhaust Valve at the bottom of the drying chamber.
4. Remove the four hex bolts from the tank mounting bracket and remove the old drying chamber from the compressor saddle.
5. Remove the flow control valve assembly complete with drying filter from drying chamber.
6. Remove the dryer filter from the flow control valve and discard the filter.
7. Remove the quick exhaust valve from the old drying chamber.

### Installing The New Drying Chamber:

1. Re-connect the quick exhaust valve to the bottom of the new drying chamber using the appropriate 1/2" MPT bushing. (Use pipe sealant.)
2. Re-connect the flow control assembly to the top of the new drying chamber. (Use pipe sealant.)
3. Reassemble the new drying chamber to the compressor saddle using the four hex bolts.
4. Tighten the compression nuts securing the copper tubing to the flow control valve assembly and the quick exhaust valve.
5. Turn "ON" power switch at the compressor.
6. Test unit for proper pump-up and purge operation. **Check for and seal all air leaks.**



### **Warranty Information: 90 Days**

All ADP accessories are thoroughly inspected and tested in accordance with rigid specifications and standards. Our accessories are guaranteed against any defective material and workmanship from the date of shipment; provided that the installation, operation, and maintenance is done in accordance with ADP procedures as outlined in our Installation and Maintenance Guides. Warranty cards must be returned to ADP within ten days of installation to effect warranty. No other warranties or guarantees, expressed or implied are made.

ADP's obligation under the warranty is to provide parts for the repair or, at its option, to provide the replacement product (excluding labor). All special, incidental and/or consequential damages are excluded. We will not issue credit for accessories without first attempting to correct the problem in the field. Written notice of breach of warranty must be given to ADP within the warranty period. The warranty does not cover damage resulting from improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilizing chemicals and processes. The warranty does not cover vacuum failures due to hard water deposits. Failure to follow instructions provided in ADP's Installation and Maintenance Guides may void the warranty.